

## Environmental Protection Agency

## § 86.096-7

defined as a period of use of 10 years or 100,000 miles, whichever occurs first.

(2) For light light-duty trucks subject to the Tier 0 standards of § 86.094-9(a), and for heavy light-duty truck engine families, intermediate and/or full useful life. Intermediate useful life is a period of use of 5 years or 50,000 miles, whichever occurs first. Full useful life is a period of use of 11 years or 120,000 miles, whichever occurs first. The useful life of evaporative emission control systems on the portion of these vehicles subject to the evaporative emission test requirements of § 86.130-96 is also defined as a period of 11 years or 120,000 miles, whichever occurs first.

(3) For an Otto-cycle heavy-duty engine family, a period of use of 8 years or 110,000 miles, whichever occurs first, except for the portion of evaporative emission control systems subject to the evaporative emission test requirements of § 86.1230-96, for which the applicable period of use is 10 years or 185,000 miles, whichever occurs first.

(4) For a diesel heavy-duty engine family:

(i) For light heavy-duty diesel engines, period of use of 8 years or 110,000 miles, whichever occurs first.

(ii) For medium heavy-duty diesel engines, a period of use of 8 years or 185,000 miles, whichever occurs first.

(iii) For heavy heavy-duty diesel engines, a period of use of 8 years or 290,000 miles, whichever occurs first, except as provided in paragraph (4)(iv) of this definition.

(iv) For heavy heavy-duty diesel engines used in urban buses, for the particulate standard, a period of use of 10 years or 290,000 miles, whichever occurs first.

(5) As an option for both light-duty trucks under certain conditions and heavy-duty engine families, an alternative useful life period assigned by the Administrator under the provisions of § 86.094-21(f).

(6) The useful-life period for purposes of the emissions defect warranty and emissions performance warranty shall be a period of 5 years/50,000 miles, whichever occurs first, for light-duty trucks, Otto-cycle heavy-duty engines and light heavy-duty diesel engines. For all other heavy-duty diesel engines the aforementioned period is 5 years/

100,000 miles, whichever occurs first. However, in no case may this period be less than the manufacturer's basic mechanical warranty period for the engine family.

[58 FR 16020, Mar. 24, 1993, as amended at 58 FR 58417, Nov. 1, 1993]

### § 86.096-3 Abbreviations.

(a) The abbreviations in § 86.094-3 continue to apply. The abbreviation in this section applies beginning with the 1996 model year.

(b) The abbreviation in this section applies to this subpart and to subpart O of this part, and has the following meaning:

CST—Certification Short Test

[58 FR 58417, Nov. 1, 1993]

### § 86.096-7 Maintenance of records; submittal of information; right of entry.

Section 86.096-7 includes text that specifies requirements that differ from those specified in §§ 86.091-7 and 86.094-7. Where a paragraph in § 86.091-7 or § 86.094-7 is identical and applicable to § 86.096-7, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]. For guidance see § 86.091-7.” or “[Reserved]. For guidance see § 86.094-7.”

(a) Introductory text through (a)(2) [Reserved]. For guidance see § 86.091-7.

(a)(3)—(h)(5) [Reserved]. For guidance see § 86.094-7.

(h)(6) *Voiding a certificate.* (i) EPA may void *ab initio* a certificate for a vehicle certified to Tier 0 certification standards or to the respective evaporative test procedure and accompanying evaporative standards as set forth or otherwise referenced in § 86.090-8, § 86.090-9, § 86.091-10 or § 86.094-11 for which the manufacturer fails to retain the records required in this section or to provide such information to the Administrator upon request.

(ii) EPA may void *ab initio* a certificate for a 1994 or 1995 model year light-duty vehicle or light-duty truck that is not certified in compliance with the cold temperature CO standard for which the manufacturer fails to retain the records required in this section or to provide such information to the Administrator upon request.

(iii) Any voiding ab initio of a certificate under § 86.091–7(c)(6) and paragraph (h)(6) of this section will be made only after the manufacturer concerned has been offered an opportunity for a hearing conducted in accordance with § 86.614 for light-duty vehicles or under § 86.1014 for light-duty trucks and heavy-duty engines.

(7) The manufacturer (or contractor for the manufacturer, if applicable) of any new model 1996 through 1998 light-duty vehicle, light-duty truck or heavy-duty vehicle that is certified shall establish, maintain and retain the following adequately organized and indexed records for each such vehicle:

- (i) EPA engine family;
- (ii) Vehicle identification number;
- (iii) Model year and production date;
- (iv) Shipment date;

- (v) Purchaser;
- (vi) Purchase contract; and
- (vii) EPA evaporative family.

[58 FR 16021, Mar. 24, 1993, as amended at 58 FR 34535, June 28, 1993]

**§ 86.096–8 Emission standards for 1996 and later model year light-duty vehicles.**

(a)(1) *Standards.* (i) Exhaust emissions from 1996 and later model year light-duty vehicles (optional for 1996 model year natural gas-fueled and liquefied petroleum gas-fueled light-duty vehicles) shall meet all standards in Tables A96–1 and A96–2 in the rows designated with the applicable fuel type. Light-duty vehicles shall not exceed the applicable standards in table A96–1 and shall not exceed the applicable standards in table A96–2.

TABLE A96–1—INTERMEDIATE USEFUL LIFE STANDARDS (G/MI) FOR LIGHT-DUTY VEHICLES

Fuel	THC	NMHC	THCE	NMHCE	CO	NO <sub>x</sub>	PM
Gasoline .....	0.41	0.25	.....	.....	3.4	0.4	0.08
Diesel .....	0.41	0.25	.....	.....	3.4	1.0	0.08
Methanol .....	.....	.....	0.41	0.25	3.4	0.4	0.08
Natural Gas .....	.....	0.25	.....	.....	3.4	0.4	0.08
LPG .....	0.41	0.25	.....	.....	3.4	0.4	0.08

TABLE A96–2—FULL USEFUL LIFE STANDARDS (G/MI) FOR LIGHT-DUTY VEHICLES

Fuel	THC	NMHC	THCE	NMHCE	CO	NO <sub>x</sub>	PM
Gasoline .....	.....	0.31	.....	.....	4.2	0.6	0.10
Diesel .....	.....	0.31	.....	.....	4.2	1.25	0.10
Methanol .....	.....	.....	.....	0.31	4.2	0.6	0.10
Natural Gas .....	.....	0.31	.....	.....	4.2	0.6	0.10
LPG .....	.....	0.31	.....	.....	4.2	0.6	0.10

(ii)(A) Vehicles subject to the standards of paragraph (a)(1)(i) of this section shall be all actual U.S. sales of light-duty vehicles of the applicable model year by a manufacturer.

(B) A manufacturer can not use one set of engine families to meet its intermediate useful life standards and another to meet its full useful life standards. The same families which are used to meet the intermediate useful life standards will be required without deviation to meet the corresponding full useful life standards.

(iii) CST emissions from gasoline-fueled Otto-cycle light-duty vehicles measured and calculated in accordance with subpart O of this part may not ex-

ceed the standards listed in paragraphs (a)(1)(iii) (A) and (B) of this section.

(A) Hydrocarbons: 100 ppm as hexane.

(B) Carbon monoxide: 0.5%.

(2) The standards set forth in paragraph (a)(1)(i) of this section refer to the exhaust emitted over a driving schedule as set forth in subpart B of this part and measured and calculated in accordance with those procedures. The test weight basis for light-duty vehicles, for the purposes of determining equivalent test weight as prescribed in § 86.129–94, shall be loaded vehicle weight.

(3) The standards set forth in paragraph (a)(1)(iii) of this section refer to the exhaust emitted during the CST as set forth in subpart O of this part and